

Title (en)

DEVICE AND METHOD FOR SUPPORTING IMPROVED COMMUNICATION SPEED IN WIRELESS POWER TRANSMISSION SYSTEM

Title (de)

VORRICHTUNG UND VERFAHREN ZUR UNTERSTÜTZUNG EINER VERBESSERTEN ÜBERTRAGUNGSGESCHWINDIGKEIT IN EINEM DRAHTLOSEN LEISTUNGSÜBERTRAGUNGSSYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR PRENDRE EN CHARGE UNE VITESSE DE COMMUNICATION AMÉLIORÉE DANS UN SYSTÈME DE TRANSMISSION D'ÉNERGIE SANS FIL

Publication

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Application

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Abstract (en)

[origin: EP3767789A1] The present invention relates to a device and method for supporting improved communication speed in a wireless power transmission system. The present specification provides a method comprising the steps of: generating wireless power at an operating frequency; configuring n, as the number of cycles per bit, which is used for transmitting one bit at the operating frequency; aligning each bit of the data with the n cycles; causing the operating frequency to transition between differential biphases according to the value of said each bit during the n cycles; and transmitting the wireless power to a wireless power receiving device on the basis of magnetic coupling at the transitioning operating frequency.

IPC 8 full level

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